Attachment A

Bridge Adapter Pallet (BAP) Master ILS Schedule

I. Technical Manuals Schedule

a) Deliver Draft Technical Manual change Package for Validation/Verification (Val/Ver) at 120 days after contract award.

b) Conduct Val/Ver beginning at 120 days after contract award.

c) Delivery Draft Technical Manual Change Package with Val/Ver corrections at 30 days after completion of Val/Ver.

d) Deliver Draft Technical Manual Change Package with final review corrections 15 days after receipt of final review comments.

e) Deliver Final Camera Ready Technical Manual Package 240 days after contract award. Source electronic files (graphic) and editable text files will be provided in addition to a complete, (PDF) file readable by Adobe Acrobat Reader 3.0.

II. Parts Provisioning Data

a) Present all Parts Provisioning Data (SPTD) including drawings, preprocurement
Screening and Parts Provisioning Documentation at the provisioning conference 90 days after contract award

b) Deliver all parts provisioning data presented at the provisioning conference along with all corrections provided at the conference 120 days after contract award

Attachment B

This worksheet identifies the data elements required for provisioning efforts. These data elements are the minimum required for submission of provisioning data. In-depth definitions of the data elements and format are contained in MIL-PRF-49506, and MIL-HDBK-502. (Additional guidance MIL-STD-1388-1, 2A/2B).

The format column specifies the length, type, position justification, and decimal placement of the data field. The key is as follows:

1st position is length. This is the number of character positions in the data. In the event the length is variable, the maximum length is given.

2nd position is type:

"A" specifies that all characters are upper case alphabetical
"N" specifies that all characters of the data entry are numerical
"X" specifies the characters of the data entry are upper case alphabetical, numerical, special, or any combination thereof
"D" specifies the characters of the data entry are numerical with a floating decimal

3rd position is justification. Specifies from which side of the field characters of the data are entered.

4th is decimal placement.

NOT MEASUREMENT SENSITIVE

MIL-PRF-49506
11 November 1996

SUMMARY TITLE:

SPECIFIC INSTRUCTIONS:

DATA **IN LMI** SPECIFICATION (Please provide the data product title):

Media Delivery Optional:

_X_ 9-Track, ODD Parity, EBCDIC Coded
_X_ Disk/Tape in ASCII Format
036 format is acceptable
Drawings required for each item identified PPL (NSN items exempt)

DATA **NOT IN LMI** SPECIFICATION (Please provide the data product title, its definition and its format):

See DD Form 1949-2

SUMMARY LAYOUT (if applicable): Government Provided ☐ Contractor Provided ☐

DATA PRODUCT DELIVERABLE: _____

This worksheet is used to select data deemed necessary by the government.
Data should be used to feed down stream government process.

SELECT	EXPLANATION
X	Data product required on all items

A	As applicable
T	Registered Support Equipment Only
U	Non-Registered Support Equipment Only
R	Repairables only
P	All "P" source code items
N	New "P" source code items
Y	National Stock Number items
O	"Ref" items only
F	First appearance items only
C	COTS items
I	NDI items
D	Developmental items
L	LRU/WRA items
S	SRA/SRU items
M	Packaging, Common items
B	Packaging, Bulk items
E	Support Equipment

NOTE: Other codes may be assigned by the program office as identified below. Program specific selections and explanations.

_____	_____
_____	_____
_____	_____

DATE PRODUCT TITLE	SELECT	ADDITIONAL INFORMATION
ALLOWANCE ITEM CODE (AIC)	x	LMI 0010
ALLOWANCE ITEM QUANTITY	X	LMI 0020
BASIS OF ISSUE (BOI)	X	LMI 0050
CHANGE AUTHORITY NUMBER	X	LMI 0120 ALL CONFIGURATION CHANGES INCLUDING ECP/DCN NUMBERS SHALL BE ANNOTATED ON THE "E" CARD IN THE C AUTHORITY POSITION
COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE	x	LMI 0140
CONTROLLED INVENTORY ITEM CODE	x	LMI 0180
DEMILITARIZATION CODE (DMIL)	x	LMI 0230
ESSENTIALITY CODE	x	LMI 0280
FIGURE NUMBER	X	LMI 0300
FUNCTIONAL GROUP CODE	X	LMI 0330 FGC PLUS FIGURE
INDENTURE CODE	X	LMI 0370
ATTACHING PART/HARDWARE	X	LMI 0370
OPTION 4	X	LMI 0370
INDENTURE FOR KITS	X	LMI 0370
OPTION 1	X	LMI 0370
ITEM NAME	X	LMI 0480
ITEM NAME CODE	X	LMI 0490
ITEM NUMBER	X	LMI 0500
LINE REPLACEABLE UNIT (LRU)	X	LMI 0520
MAINTENANCE REPLACEMENT RATE I (MRRI)	X	LMI 0560 AKA FFI
MAINTENANCE REPLACEMENT RATE II (MRRII)	X	LMI 0570 AKA FFII
MAINTENANCE REPLACEMENT RATE III (MRRIII)	X	AMC 700-25 AKA FFIII
OPTION 2 FOR MRRs/FFs	X	LMI 0570
MAINTENANCE TASK DISTRIBUTION	X	LMI 0580
NATIONAL STOCK NUMBER	X	LMI 0680 NSNs TO BE ANNOTATED ON " CARD FOR ALL INITIAL BUILDS
NEXT HIGHER ASSEMBLY PROVISIONING LIST ITEM SEQUENCE NUMBER (NHA PLISN)	X	LMI 0690
NEXT HIGHER ASSEMBLY PROVISIONING LIST ITEM SEQUENCE NUMBER INDICATOR (NHA IND)	X	LMI 0700
OVERHAUL REPLACEENTN RATE (ORR)	X	LMI 0740
PRECIOUS METAL INDICATOR CODE (PMIC)	X	LMI 0790

PRODUCTION LEAD TIME (PLT)	X	LMI 0830
PROVISIONING CONTRACT CONTROL NUMBER (PCCN)	X	LMI 0870
PROVISIONING LIST CATEGORY CODE (PLCC)	X	LMI 0880
PROVISIONING LIST ITEM SEQUENCE NUMBER (PLISN)	X	LMI 0890
PROVISIONING NOMENCLATURE	A	LMI 0900 ANNOTATE ON "N" CARD
PROISIONING PRICE CODE	X	LMI 0910
PROVISIONING REMARKS	X	LMI 0920
QUANTITY PER ASSEMBLY (QPA)	X	LMI 0930
OPTION 1	X	LMI 0930
QUANTITY PER END ITEM (QPEI)	X	LMI 0950
OPTION 1	X	LMI 0950
QUANTITY PER FIGURE	X	LMI 0960
REFERENCE NUMBER	X	LMI 1050
REFERENCE NUMBER OVERFLOW	X	AMC 700-25
REFERENCE NUMBER - ARN ITEM	X	LMI 1050
REFERENCE NUMBER (ARN) - ADDITIONAL	X	LMI 1050
REFERENCE NUMBER CATEGORY CODE (RNCC)	X	LMI 1060
REFEREENCE NUMBER VARIATION CODE (RNVC)	X	LMI 1070
REPAIR CYCLE TIME/TNT	X	LMI 1080
OPTION 1	X	LMI 1080
REPLACEMENT TASK DISTRIBUTION	X	LMI 1110
SAME AS PROVISIONING LIST ITEM SEQUENCE NUMBER (SAME AS PLISN)	X	LMI 1150
SERIAL NUMBER EFFECTIVITY	A	LMI 1170
SERIAL NUMBER EFFECTIVITY - FROM	A	LMI 1170
SERIAL NUMBER EFFECTIVITY - TO	A	LMI 1170
SHELF LIFE (SL)	X	LMI 1190
SOURCE, MAINTENANCE AND RECOVERABILITY CODE - SMR	X	LMI 1220
SPECIAL MAINTENANCE ITEM CODE (SMIC)	X	LMI 1240
SPECIAL MATERIAL CONTENT CODE (SMCC)	X	LMI 1260
TECHNICAL MANUAL CHANGE NUMBER (TM CHG)	X	LMI 1350
TECHNICAL MANUAL INDENTURE CODE (TM IND)	X	LMI 1360
TECHNICAL MANUAL NUMBER/CODE	X	LMI 1370

UNIT OF ISSUE (UI)	X	LMI 1470
UNIT OF ISSUE CONCERSION FACTOR (UI CONVERSION FACTOR)	X	LMI 1480
UNIT OF ISSUE/UNIT OF MEASURE PRICE (UI/UM PRICE)	X	LMI 1500
UNIT OF MEASURE (UM)	X	LMI 1510
USABLE ON CODE (UOC)/PCC	X	LMI 1560
OPTION 3	X	LMI 1560
WORK UNIT CODE	X	LMI 1580
ADDITIONAL REQUIREMENTS (SEE AMC 700-25)		
LOGISTIC CONTROL NUMBER	X	AMC 700-25
ALTERNATE LOGISTIC CONTROL NUMBER	X	AMC 700-25
REFERENCE DESIGNATOR	X	AMC 700-25
REFERENCE DESIGNATOR OVERFLOW CODE	X	AMC 700-25
REFERENCE DESIGNATOR CODE	X	AMC 700-25

Appd BBBB (guidance) PPL
Parts Provisioning Data Reqmts

40.33 LSA-036, Provisioning Requirements. A summary of those data recorded on the H and H1 data records identified as provisioning requirements. The summary contains that data required for review at various provisioning conferences (e.g., long lead time items conference, provisioning conference, etc.) and is used in the selection procedures to identify repair parts requirements in support of the equipment to be fielded. The summary will satisfy the deliverables cited in MIL-STD-1561, based on specific parameters entered on the selection card. Changed data can only be processed in LSA-036 by establishing a Provisioning Baseline File (PBF) for delivered Provisioning Lists (PL). Format contained at Figure 52.

40.33.1 The following "header" data required to identify the specified list(s) are not a part of the LSAR and are not contained in the LSA-036 summary. These data are a requirement in the selection process for provisioning output and are defined as follows:

a. Procurement Instrument Identification (PII). A 19 character alphanumeric entry used to identify a specific contractual document. The PII includes the procurement instrument identification number (PIIN), (13 positions) and the supplementary procurement instruction identification number (SPIIN) (6 positions).

b. Nomenclature of model or type number. A 21-character alphanumeric entry used to specify the name, model, or type of equipment being provisioned.

c. Control Data. A 10-character alphanumeric entry used for control information as specified by the requiring authority. This information may consist of such items as identification of provisioning data in MIL-STD-1388-2A format or a Weapons System Code.

d. Prime Contractor's Federal Supply Code for Manufacturers (FSCM). A five-character alphanumeric entry which identifies the prime contractor for the equipment being provisioned.

e. Submission Control Code. A five-character numeric entry used to control the submission of provisioning data. The first submission will be 00001 and each subsequent submission is to be numbered sequentially, one greater than the prior submission.

f. Date list submitted. A six-character, numeric entry used to identify the date of submission. The first two positions will identify the year; the next two will identify the month, and the last two will identify the day.

40.33.2 Data element definitions for those data contained on the LSA-036 summary are contained in paragraphs 130 (H record) and 140 (H1 record), Appendix E.

40.33.3 The report will display the following provisioning report control data:

a. Card Sequence Number (CSN). A 2-position numeric code whch is used to sequence multiple data input cards for a specific card format indicator. The initial card entry is coded 01. Subsequent cards are coded 02-99.

b. Card Format Indicator (CFI). A 1-position alphabetic code: A-H, J and K used to identify a card format and content.

40.33.4 LSA-036 Update and Design Change Notices. There are five basic types of LSA-036 updates which can result when LSAR data is added, changed or deleted affecting PL's previously delivered. These transactions can be automatically generated using the Joint Service LSAR ADP system by establishing a PBF upon initial submission of the LSA-036. These transactions are based upon a comparison of the LSAR PMF and the PBF.

a. Standard Data Update. For each LSA-036 card affected by data which has been added or changed since the previous PL delivery or LSA-036 update, mandatory data, i.e., PCCN, PLISN, CSN, and CFI, an "M" Type of Change Code (TOCC) and the added/changed data only are entered. If data has been deleted, a "G" is entered in the TOCC and in the leftmost position of each field deleted on the appropriate LSA-036 card. Data deletions and changes/additions occurring on the same LSA-036 card will require both a change and deletion card for the appropriate data.

(1) If all data on an LSA-036 CFI is deleted, mandatory data and a "D" TOCC are entered and the data fields are left blank.

(2) When an entire PLISN record is deleted, PCCN, PLISN and "D" TOCC are entered and the FSCM and Reference Number are displayed on the "OIA" card.

b. Quantity Data Update. When a quantity field is updated, mandatory data, a "Q" TOCC and the updated quantity data field(s) are entered. This will only apply to the following data: Quantity Per Assembly, Quantity Per End Item, Total Quantity Recommended, Allowance Item Code Quantity, Minimum Replacement Unit, Recommended Initial System Stock Buy, Recommended Minimum System Stock Level, Recommended Tender Load List Quantity, Quantity Shipped, Quantity Procured and Prorated Quantity. When additional data displayed on the same LSA-036 card also changes during the update, only one change card is entered with TOCC, "Q". When quantity data is deleted, a change card is entered with a zero filled quantity field and TOCC "Q".

c. Key Data Update. Certain provisioning data are considered key and associated data elements. These are listed below. Changes to key data requires the submission of both a delete and change card for the appropriate key data. The deletion card should contain a "G" TOCC and the original key data. The change card should contain an "M" TOCC with the new key data and the applicable associated data. Deletion of key data will result in deletion of the corresponding associated data.

	KEY DATA	ASSOCIATED DATA
(1)	FSCM and Additional Reference Number	RNCC and RNVC
(2)	NHA PLISN	ORR, NHA IND.
(3)	Usable on Code	None

Supersedes page 236 of 20 July 1984.

(4) Reference Designation	RDOC RDC
(5) Change Authority Number	Serial Number Effectivity Prorated ELIN Prorated Qty IC, Replaced or Superseding PLISN, R/S IND, DCN UOC TIC Quantity Shipped Quantity Procured
(6) Serial Number Effectivity	None
(7) DCN UOC	None
(8) TM Code	Figure Number Item Number
(9) TM Code, Figure Number Item Number	Basis of Issue, WUC/TM FGC TM Change Number, TM Ind Cd Qty Per Fig, Provisioning Nomenclature
(10) BOI-CTRL	BOI-QTY-AUTH, BOI-EI, BOI-LVL

d. Associated Data Update. Changes to associated data requires the submission of a change card consisting of an "M" TOCC with the changed data and entry of the applicable key data. Deletion of associated data requires the submission of a deletion card with a "G" TOCC, a "G" in the left most position of the associated data field and entry of the key data.

e. Design Change Notices (DCN). DCN information is not distinguished from other updated data for a particular LSA-036 update using the Joint Service LSAR ADP system. DCN's can be processed as a separate and distinguishable report by specifying that DCN affected data must be processed as an exclusive cycle, i.e., by performing an LSA-036 update, entering the DCN information into the LSAR PMF, and by again running an LSA-036 update. An option to obtain an LSA-036 report for updated data pertaining to a specific Change Authority Number is provided on the LSA-036 report selection. DCN information updates are similar to other update transactions with the following exception. When a Change Authority Number and Serial Number effectivity are enterd, an "L" TOCC is entered for the replaced item. If a quantity change occurs on alimited effectivity item, an "L" TOCC is entered in lieu of a "Q".

40.34 LSA-040, Components of End Item (COEI) List. This summary provides a listing of those items which are part of the end item, but are removed and separately packaged for transportation or shipment. The items are identified by code A entered in the first position and Code C entered in the second position of the allowance item code (AIC) of the H03 record. The COEI is required

Supersedes page 237 of 20 July 1984.

PCCN
PLISN/SPLIN
MODEL OR TYPE NUMBER
CONTROL DATA
PRIME FSCN
SUBMISSION CONTROL CODE
DATE OF LIST
REFERENCE NUMBER REFERENCE NUMBER OVERFLOW
ADDITIONAL REFERENCE NUMBER
NATIONAL STOCK NUMBER AND RELATED DATA
ITEM NAME
REFERENCE DESIGNATION
MAINTENANCE TASK DISTRIBUTION
REPAIR CYCLE TIME
REPLACEMENT TASK DISTRIBUTION
DESIGNATED REMOVE POINT
SERIAL NUMBER EFFECTIVITY
CHANGE AUTHORITY NUMBER
PROVISIONING NOMENCLATURE
REMARKS
BASIS OF ISSUE

ATTACHMENT
LMI DATA ELEMENT WORKSHEET

. These data elements are the minimum required for submission of provisioning data. In-depth definitions of the data elements are contained in MIL-STD-1388-1 or MIL-PRF-49506.

The format column specifies the length, type, position justification, and decimal placement of a data field. The key is as follows:

1st position is length. This is the number of character positions in the data. In the event the length is variable, the maximum length is given.

2nd position is type:

"A" specifies that all characters are upper case alphabetical
"N" specifies that all characters of the data entry are numerical
"X" specifies the characters of the data entry are upper case alphabetical, numerical, special, or any combination thereof
"D" specifies the characters of the data entry are numerical with floating decimal

3rd position is justification. Specifies from which side of the field characters of the data are entered.

"L" left justified
"R" right justified
"F" fixed

4th is decimal placement. Specifies the number of character positions to the right of the assumed decimal point when the data is numeric in all character positions.

A dash (-) used in any column signifies that it is not applicable.

ATTACHMENT LMI DATA ELEMENT SHEET		
DATA ELEMENT TITLE	FORMAT	DEFINITION
CHANGE AUTHORITY NUMBER	15L-	IDENTIFIES AUTHORITY FOR ENGINEERIING CHANGE
COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE	5XF-	IDENTIFIES DESIGN CONTROL ACTIVITY OR PRIME MANUFACTURER OF AN ITEM
CAGE CODE - ARN (ADDITIONAL REFERENCE NUMBER)	5XF-	CAGE OF ADDITIONAL REFERENCE NUMBER
CONTROLLED INVENTORY ITEM CODE	1XF-	INDICATES RISK, PILFERAGE, AND SECURITY CONTRLS FOR STORAGE/TRANSPORTATION
CRITICALITY CODE	1AF-	TDP DOCUMENTS ITEM IS TECHNICALLY CRITICAL DUE TO DESIGN CHARACTERISTICS
DEMILITARIZATION CODE (DEMIL)	1AF-	INIDCATES DEGREE OF DEMILITARIZATION REQUIRED FOR AN ITEM
ESSENTIALITY CODE	1NF-	DEGREE TO WHICH FAILURE OF THE PART AFFECTS END ITEM'S ABILITY TO PERFORM ITS INTENDED MISSION
FAILURE FACTOR I (FFI)	6NR-	BASED ON ANTICIPATED FAILURES DURING PEACETIME PER 100 VEHICLES FOR ONE YEAR
FAILURE FACTOR II (FFII)	6NR-	WARTIME ANTICIPATED FAILURE RATE, USUALLY 2.5 TIMES GREATER THAN PEACETIME RATE
FAILURE FACTOR III (FFIII) MIL-STD-1388-2A/1552 MIL-STD-1388-2B	6XL- 7XL-	SERIES OF CODES USED TO MODIFY FFI AND FFII FOR ENVIRONMENTAL CONDITIONS
FIGURE NUMBER	4XR-	INDENTIFIES SPECIFIC ILLUSTRATION IN A TECHNICAL MANUAL
FUNCTIONAL GROUP CODE	11XL-	ASSIGNED TO ITEMS TO IDENTIFY LOCATION OF ITEM ON END ITEM, USED FOR MAINTENANCE ALLOCATION CHART & TM PREPARATION
INDENTURE CODE	1XF-	ILLUSTRATES RELATIONSHIP OF ITEM WITHIN END ITEM
INDENTURE CODE ATTACHING PART/HARDWARE - OPTION 4	1XF-	ALL PARTS WILL BE LISTED IN END ITEM BREAKDOWN WITHOUT SPECIFIC CALLOUT THAT PARTS ARE USED FOR ATTACHING PARTS
INDENTURE FOR KITS - OPTION 1	1XF-	ASSIGN INDENTURE LOWER THAN ASSEMBLY/ COMPONENT FOR WHICH ITEM IS USED
INTERCHANGEABILITY CODE	2AF-	INDICATES RELATIONSHIP OF ITEMS USED FOR SAME APPLICATION
ITEM NUMBER	4XR-	INDEX NUMBER ASSIGNED TO AN ITEM IN A ILLUSTRATION
LINE REPLACEABLE UNIT (LRU)	1AF-	ESSENTIAL ITEM REMOVED/REPLACED AT FIELD LEVEL TO RESTORE END ITEM TO OPERATIONAL READINESS CONDITION
MAINTENANCE TASK DISTRIBUTION	14N--	PERCENT OF ITEMS EXPECTED TO BE REPAIRED AT SPECIFIED MAINTENANCE LEVEL
NEXT HIGHER ASSEMBLY PROVISIONING LIST ITEM SEQUENCE NUMBER (NHA PLISN)	5XL-	PLISN ASSIGNED TO ITEM'S NEXT HIGHER ASSEMBLY
PRECIOUS METAL INDICATOR CODE (PMIC)	1XF-	INDICATES THE AMOUNT AND TYPE OF PRECIOUS METAL CONTAINED IN ITEM
PRODUCTION LEAD TEAM (PLT)	2NR-	INTERVAL BETWEEN CONTRACT AWARD AND SHIPMENT OF THE DELIVERABLE QUANTITY
PROVISIONING CONTRACT CONTROL NUMBER (PCCN)	6XF-	IDENTIFIES END ITEM FOR WHICH ITEM IS USED ON, FIRST POSITION A-I (ARMY)
PROVISIONING LIST CATEGORY CODE (PLCC)	1AF-	INDICATES THE ITEM'S CATEGORY (I.E., GFE, ISIL, LLI, TMDE, ASL, PLL, SSP, BULK, ETC.)
PROVISIONING LIST ITEM SEQUENCE NUMBER (PLISN)	5XL-	SEQUENTIALLY ASSIGNED FOR ALL ITEMS IN THE END ITEM'S BREAKDOWN

ATTACHMENT C LMI DATA ELEMENT SHEET		
DATA ELEMENT TITLE	FORMAT	DEFINITION
PROVISIONING NOMENCLATURE	- - - - -	NOMENCLATURE OF ITEM
PROVISIONING REMARKS	- - - - -	CLARIFICATION OF PROVISIONING DATA
QUANTITY PER ASSEMBLY (QPA) - OPTION 1	4 N R -	TOTAL NUMBER OF TIMES ITEM IS USED IN THE ASSEMBLY FOR WHICH IT IS A PART
QUANTITY PER END ITEM (QPEI) - OPTION 1	5 N R -	TOTAL NUMBER OF TIMES ITEM IS USED IN THE COMPLETE END ITEM
QUANTITY PER FIGURE	3 N R -	TOTAL QUANTITY OF AN ITEM DEPICTED BY A SPECIFIC ILLUSTRATION
REFERENCE NUMBER	32 X L -	NUMBER, OTHER THAN NSN, USED TO IDENTIFY PRIMARY ITEM
REFERENCE NUMBER (ARN) - ADDITIONAL	32 X L -	DRAWING OR INTERCHANGEABLE REFERENCE NUMBER RELATED TO THE PRIME REFERENCE NUMBER
REFERENCE NUMBER CATEGORY CODE (RNCC)	1 X F -	ASSIGNED TO REFERENCE NUMBER TO INDICATE CATEGORY OF RELATIONSHIP OF THE NUMBER TO THE NSN
REFERENCE NUMBER CATEGORY CODE - ARN	1 N F -	RNCC ASSIGNED TO ADDITIONAL REFERENCE NUMBERS
REFERENCE NUMBER VARIATION CODE (RNVC)	1 N F -	INDICATES NUMBER IS ITEM IDENTIFYING, NOT ITEM IDENTIFYING, OR INFORMATION ONLY
REFERENCE NUMBER VARIATION CODE - ARN	1 N F -	RNVC ASSIGNED TO ADDITIONAL REFERENCE NUMBERS
REPAIR CYCLE TIME - OPTION 1	18 N - -	TIME, DAYS, OF COMPLETE REPAIR CYCLE FOR EACH ITEM AT EACH MAINTENANCE LEVEL
REPLACED OR SUPERSEDING PROVISIONING LIST ITEM SEQUENCE NUMBER	5 X L -	PLISN REPLACING OR BEING REPLACED IN RELATIONSHIP TO ANOTHER PLISN
REPLACED OR SUPERSEDING PROVISIONING LIST ITEM SEQUENCE NUMBER INDICATOR (RS/IND)	1 A F -	INDICATES IF REPLACED OR SUPERSEDED PLISN
REPLACEMENT TASK DISTRIBUTION	15 N - -	PERCENTAGE OF REMOVALS/REPLACEMENTS OF AN ITEM AT EACH SPECIFIED MAINTENANCE LEVEL
SAME AS PROVISIONING LIST ITEM SEQUENCE NUMBER (SAME AS PLISN)	5 X L -	PLISN ASSIGNED TO A REFERENCE NUMBER & CAGE AT ITS FIRST APPEARANCE IN A PROVISIONING LIST FOR PCCN
SERIAL NUMBER EFFECTIVITY	20 X - -	IDENTIFIES THE RANGE OF SERIAL NUMBERS OF AN END ITEM TO WHICH ITEM APPLIES
SHELF LIFE (SL)	1 X F -	INDICATES STORAGE OR SL TIME PERIOD FOR AN ITEM POSSESSING DETERIORATIVE OR UNSTABLE CHARACTERISTICS
SOURCE, MAINTENANCE AND RECOVERABILITY (SMR) CODE	6 X L -	INDICATES THE SOURCE OF SUPPLY OF AN ITEM, LEVEL OF MAINTENANCE, AND RECOVERABILITY CHARACTERISTICS
SPECIAL MAINTENANCE ITEM CODE (SMIC)	1 A F -	IDENTIFIES ANY SPECIAL MAINTENANCE CATEGORY APPLICABLE TO AN ITEM
SPECIAL MATERIAL CONTENT CODE (SMCC)	1 X F -	INDICATES IF AN ITEM CONTAINS PECULIAR MATERIAL REQUIRING SPECIAL TREATMENT
TECHNICAL MANUAL CHANGE NUMBER (TM CHG)	2 N R -	CHANGE NUMBER REFLECTING CURRENT EDITION OF SPECIFIC TECHNICAL MANUAL
TECHNICAL MANUAL INDENTURE CODE (TM IND)	1 N F -	USED TO INDENT ITEM NAMES IN THE REPAIR PART DESCRIPTION COLUMN OF RPSTL TO DEPICT DISASSEMBLY PARTS RELATIONSHIP
TECHNICAL MANUAL CODE	3 X F -	IDENTIFIES SPECIFIC TECHNICAL MANUAL

ATTACHMENT C LMI DATA ELEMENT SHEET		
DATA ELEMENT TITLE	FORMAT	DEFINITION
TYPE ITEM CODE (MIL-STD-1552 FORMAT ONLY)	3 X L -	CONTAINS SMCC, PLCC, AND SMIC (MIL-STD-1388-2A/2B HAS ITS OWN BLOCK)
UNIT OF ISSUE (UI)	2 A F -	HOW ITEM IS ISSUED
UNIT OF ISSUE/UNIT OF MEASURE PRICE (UI/UM PRICE)	10 N R 2	PRICE FOR ONE UI OF AN ITEM OR BEST ESTIMATED PRICE PER UM
UNIT OF MEASURE	2 A F -	AMOUNT (DZ, EA, FT, GL, IN, LB, OZ, ETC.) ITEM IS ISSUED IN
USABLE ON CODE (UOC)	4 X L -	INDICATES THE CONFIGURATION OF A END ITEM ON WHICH THE ITEM IS USED
USABLE ON CODE DESIGN CHANGE	4 X L -	UOCS AFFECTED BY THE DESIGN CHANGE

PART II — DATA SELECTION SHEET

REPORT CARD/ BLOCK NUMBER	LSA 036 CARD BLOCK	DED NO.	DATA ELEMENT NAME	REQD	LLTIL	PPL	SFPPL	CBIL	RISIL	PCLE	TTLE	SCPL	DCN
			LSAR DATA RECORD H										
01-1	A-6	372	REFERENCE NUMBER ***	X		X	X						X
01-2		421	SIGNIFICANT CHARACTER CODE ***	X									
01-3		345	PROVISIONING SYSTEM ID CODE	X		X	X						X
01-4	A-5	139	FEDERAL SUPPLY CODE FOR MANUFACTURERS	X		X							X
01-5	A-7	373	REFERENCE NUMBER CATEGORY CODE										
01-6	A-10	337	PROGRAM PARTS SELECTION LIST	X			X						X
01-7	A-8	375	REFERENCE NUMBER VARIATION CODE										
01-8	A-9	96	DOCUMENT AVAILABILITY CODE	X		X	X						X
01-9	A-12	181	ITEM NAME										
01-10		346	PROVISIONING TECHNICAL DOCUMENTATION SELECTION CODE										
01-11	B-21	355	QUANTITY PER UNIT PACK	X		X							X
01-12	C-37	498	TOTAL QUANTITY RECOMMENED	X		X							X
01-13	B-24	336	PRODUCTION LEAD TIME	X		X							X
01-14	D-48	441	SPECIAL MATERIAL CONTENT CODE	X		X							X
01-15	D-49	341	PROVISIONING LIST CATEGORY CODE	X		X							X
01-16	D-50	439	SPECIAL MAINTENANCE ITEM CODE	X		X							X
01-17	B-25	152	HARDNESS CRITICAL ITEM	X		X							X
01-18	B-27	325	PRECIOUS METAL INDICATOR CODE	X									
01-19		535	UPDATE CODE ***	X		X							X
02-4	A-6	374	REFERENCE NUMBER OVERFLOW	X									
02-5	B-15	259	NSN AND RELATED DATA	X		X							X
02-6	B-18	521	UNIT OF ISSUE	X		X	X						X
02-7	B-19	523	UNIT OF ISSUE PRICE	X		X							X
02-8	B-20	522	UNIT OF ISSUE CONVERSION FACTOR	X		X							X
02-9	A-13	415	SHELF-LIFE										
02-10	A-14	416	SHELF-LIFE ACTION CODE	X									
03-4		51	CARD SEQUENCING CODE ***	X		X							X
03-5	A-6	9	ADDITIONAL REFERENCE NUMBER	X		X							X
03-6	A-5	139	FSCM	X		X							X
03-7	A-7	373	REFERENCE NUMBER CATEGORY CODE	X		X							X
03-8	A-8	375	REFERENCE NUMBER VARIATION CODE										
03-9	C-40	216	MAXIMUM ALLOWABLE OPERATING TIME										
03-10	C-41	203	MAINTENANCE ACTION CODE	X		X							X
03-11	B-26	320	PHYSICAL SECURITY/PILFERAGE CODE										
03-12	B-28	35	ADP EQUIPMENT CODE	X									
03-13	D-51	20	ALLOWANCE ITEM CODE	X									
03-14	D-52	21	ALLOWANCE ITEM QUANTITY										
03-15	E-65	174.1	ITEM MANAGEMENT CODE	X									
03-16		080.2	DLS CENTER SCREENING REQMT CODE	X									
04-4		51	CARD SEQUENCING CODE ***	X		X							X
04-5	B-17	525	UNIT OF MEASURE PRICE										
04-6		201	LOT QUANTITY										
04-7		75	CURRENT PRODUCTION CODE										
04-8		514	TYPE OF UNIT OF MEASURE PRICE CODE										
04-9		347	PROV. UNIT OF MEASURE PRICE CODE										
04-10		141	FISCAL YEAR	X		X							X
04-11	B-16	524	UNIT OF MEASURE										
04-12	E-62	66	CONTRACTOR TECH. INFORMATION CODE	X									
04-13	E-63	4	ACQUISITION METHOD CODE	X									
04-14	E-64	5	ACQUISITION METHOD SUFFIX CODE	X									
04-15		139	FEDERAL SUPPLY CODE FOR MANUFACTURERS	X		X							X
05-4	J-88	38	BASIS OF ISSUE										

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PART II — LSAR DATA SELECTION SHEET

REPORT CARD/ BLOCK NUMBER	LSA 036 CARD BLOCK	DED NO.	DATA ELEMENT NAME	REQD	LLTIL	PPL	SFPPL	CBIL	RIIL	ISIL	PCLL	TTELL	SCPLL	DCN
			LSAR DATA RECORD H1											
09-1	A-6	372	REFERENCE NUMBER ***	X		X								X
09-2		421	SIGNIFICANT CHARACTER CODE ***	X										
09-3	H-78	197	LSA CONTROL NUMBER ***	X		X								X
09-4	H-79	23	ALTERNATE LSA CONTROL NUMBER ***	X		X								X
09-5		345	PROVISIONING SYSTEM ID CODE											
09-6		51	CARD SEQUENCING CODE ***	X										
09-7	D-44	536	USABLE ON CODE ***	X		X								X
			OPTION 1											
			OPTION 2											
			OPTION 3	X		X								X
09-8		535	UPDATE CODE ***	X										
10-6		51	CARD SEQUENCING CODE ***	X										
10-7	A-1	340	PROVISIONING CONTRACT CONTROL NO.	X		X								X
10-8	A-4	157	INDENTURE CODE	X		X								X
			ATTACHING HARDWARE											
			OPTION 1											
			OPTION 2											
			OPTION 3											
			OPTION 4	X		X								X
			OPTION 5											
			KIT	X		X								X
			OPTION 1	X		X								X
			OPTION 2											
			OPTION 3											
10-9	A-2	342	PROVISIONING LIST ITEM SEQUENCE NO	X		X								X
10-10	A-3	509	TYPE OF CHANGE CODE											
10-11	C-33	352	QUANTITY PER END ITEM	X		X								X
			OPTION 1	X		X								X
			OPTION 2											
10-12	C-29	261	NEXT HIGHER ASSEMBLY PROV LIST ITEM SEQUENCE NUMBER	X		X								X
10-13	C-30	262	NHA PLISN INDICATOR											
10-14	C-31	298	OVERHAUL REPLACEMENT RATE	X		X								X
10-15	C-38	397	SAME AS PROVISIONING LIST ITEM SEQUENCE NUMBER	X		X								X
10-16	C-39	335	PRIOR ITEM PROVISIONING LIST ITEM SEQUENCE NUMBER	X		X								X
10-17	C-32	351	QUANTITY PER ASSEMBLY	X		X								X
			OPTION 1	X		X								X
			OPTION 2											
10-18		197.1	LSA CONTROL NUMBER INDENTURE CODE											
10-19		461	SUPPRESSION INDICATOR CODE											
11-6		175	ITEM CATEGORY CODE											
11-7	B-22	436	SOURCE, MAINTENANCE, RECOVERABILITY CODE	X		X	X							X
11-8	B-23	82	DEMILITARIZATION CODE	X		X								X
11-9	C-34	206	MAINTENANCE REPLACEMENT RATE I	X		X								X
			OPTION 1											
			OPTION 2	X		X	X							X
11-10	C-35	207	MAINTENANCE REPLACEMENT RATE II	X		X								X
			OPTION 1											
			OPTION 2	X		X	X							X
11-11	C-36	208	MAINTENANCE REPLACEMENT RATE MODIFIER	X		X	X							X
11-12	E-58	209	MAINTENANCE TASK DISTRIBUTION	X		X								X
12-6	A-11	108	ESSENTIALITY CODE	X		X								X
12-7	C-43	193	LINE REPLACEABLE UNIT	X		X								X

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REPORT CARD/ BLOCK NUMBER	LSA 036 CARD BLOCK	DED NO.	DATA ELEMENT NAME	REQD	LLTIL	PPL	SFPPL	CBIL	RIL	ISIL	PCL	TTEL	SCPL	DCN
12-8	C-42	266	NOT REPARABLE THIS STATION											
12-9	D-57	386	REPAIR SURVIVAL RATE											
12-10	D-53	250	MINIMUM REPLACEMENT UNIT											
12-11	D-55	364	RECOMMENDED INIT. SYSTEM STOCK BUY	X		X								X
12-12	D-54	365	RECOMMENDED MIN SYSTEM STOCK LEVEL											
12-13	D-56	367	RECOMMENDED TENDER LOAD LIST QTY.											
12-14	E-61	90	DESIGNATED REWORK POINT											
12-15	E-66	379.1	REMAIN-IN-PLACE INDICATOR											
12-16		80	DATA RECORD STATUS CODE	X		X								X
13-6	E-59	385	REPAIR CYCLE TIME	X		X								X
			OPTION 1											
			OPTION 2	X		X								X
13-7	E-60	391	REPLACEMENT TASK DISTRIBUTION	X										
14-6		51	CARD SEQUENCING CODE ***	X		X								X
14-7	D-45	369	REFERENCE DESIGNATION											
			REFERENCE DESIGNATION ORIENTED EQUIPMENTS											
			OPTION 1											
			OPTION 2											
			NON-REFERENCE DESIGNATION ORIENTED EQUIPMENTS											
			OPTION 3											
			OPTION 4											
			OPTION 5											
14-8	E-46	371	REFERENCE DESIGNATOR OVERFLOW CODE	X		X								X
14-9	E-47	370	REFERENCE DESIGNATION CODE	X		X								X
15-6		51	CARD SEQUENCING CODE ***	X										
15-7	J-81	479	TECHNICAL MANUAL CODE	X		X								X
15-8	J-82	140	FIGURE NUMBER	X		X								X
15-9	J-83	182	ITEM NUMBER	X		X								X
15-10	J-84	478	TECHNICAL MANUAL CHANGE NUMBER	X		X								X
15-11	J-85	480	TECHNICAL MANUAL INDENTURE CODE	X		X								X
15-12	J-86	353	QUANTITY PER FIGURE	X		X								X
15-13	J-87	545	WORK UNIT CODE/TECHNICAL MANUAL FUNCTNL GROUP CODE	X										
16-6		481	TECHNICAL MANUAL INDICATOR	X										
16-7		51	CARD SEQUENCING CODE ***	X		X								X
16-8	K-89	343	PROVISIONING NOMENCLATURE	X										
17-6		51	CARD SEQUENCING CODE ***	X		X								X
17-7	F-67	52	CHANGE AUTHORITY NUMBER	X		X								X
17-8	F-68	164	INTERCHANGEABILITY CODE	X		X								X
17-9	F-69	411	SERIAL NUMBER EFFECTIVITY	X		X								X
17-10	F-71	389	REPLACED/SUPERSEDING PROVISIONNG LIST ITEM SEQ NUM	X		X								X
17-11	F-72	390	REPLACED/SUPERSEDING PLISN INDICATOR	X										
18-6		51	CARD SEQUENCING CODE ***	X		X								X
18-7	F-67	52	CHANGE AUTHORITY NUMBER											
18-8	F-70	495	TOTAL ITEM CHANGES											
			OPTION 1											
			OPTION 2											
18-9	F-73	357	QUANTITY SHIPPED											
18-10	F-74	356	QUANTITY PROCURED											
18-11	G-76	338	PRORATED EXHIBIT LINE ITEM NUMBER											
18-12	G-77	339	PRORATED QUANTITY	X										
19-6		51	CARD SEQUENCING CODE ***	X		X								X
19-7	F-67	52	CHANGE AUTHORITY NUMBER	X		X								X
19-8	F-75	87	DESIGN CHANGE NOTICE USABLE ON CODE											

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PERFORMANCE SPECIFICATION
FOR
BRIDGE ADAPTER PALLET (BAP)

22 Mar 99

1. SCOPE.

1.1 Scope. This Performance Specification (PS) establishes requirements for the Bridge Adapter Pallet (BAP). The BAP, loaded on the M1977 Common Bridge Transporter (CBT) is used to transport, launch, and retrieve components of the Ribbon Bridge System from the water or the ground. The BAP design shall also allows it to be transloaded to and from the M1076 Palletized Load System Trailer (PLST).

2. APPLICABLE DOCUMENTS:

2.1 Government Documents: The following specifications, standards, and handbooks form a part of this document to the extent specified herein.

MILITARY SPECIFICATIONS:

MIL-PRF-2104 -Lubricating Oil, Internal Combustion Engine, Combat/Tactical Service.

MIL-C-53072 -Chemical Agent Resistant Coating (CARC), Application Procedures, and Quality Control.

MIL-PRF-16173 -Corrosion Preventive Compound, Solvent Cutback, Cold-Application

MILITARY STANDARDS:

MIL-STD-209 -Interface Standard for Lifting and Tiedown Provisions.

MIL-STD-913 -Certification of Sling Loaded Military Equipment for External Transportation by DOD Helicopters, dated 970203.

MIL-STD-1472 -Human Engineering

FEDERAL STANDARD:

TT-C-490 -Cleaning Methods for Ferrous Surfaces and Pretreatment for Organic Coatings.

MILITARY TECHNICAL MANUALS:

MIL-HDBK-1791	-Designing for Internal Aerial Delivery in Fixed Wing Aircraft.
TB-ORD-1024w C1	-Army Equipment: Manufacture of Data Plates
TM-3080.34	-Corrosion Prevention and Control, Including Rustproofing Procedures for Tactical Vehicles and Trailers.

2.1.2 Other Government Documents, Drawing, and Publications.

TANK-AUTOMOTIVE AND ARMAMENTS COMMAND (TACOM)
Performance Specification for M1977, Common Bridge Transporter (CBT)

U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL (USADACS)
TP-94-01 Transportability Testing Procedures.

2.2 Other Publications: The following documents form a part of this performance specification, to the extent specified herein.

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)
SAE J959 – Lifting, Crane - Wire-Rope Strength Factors

AMERICAN SOCIETY OF TESTING MATERIALS (ASTM)
ASTM D3951 – Standard Practice for Commercial Packaging.

COMMERCIAL ITEM DESCRIPTION (CID)
CID – A-A-59166 – Coating Compound, Non-Skid Walkway

AMERICAN WELDING SOCIETY (AWS)
AWS D1.1; 1994 - Structural Welding Code-Steel
AWS D1.2; 1990 - Structural Welding Code-Aluminum
AWS D1.3; 1989 - Structural Welding Code-Sheet Steel

(Application for copies should be addressed to the American Welding Society, Inc., 550 NW LeJeune Road, P.O. Box 351040, Miami, Florida 33135)

2.3 Order of Precedence. In the event of a conflict between the text of this specification and cited references, the specification shall take precedence. If a conflict exists between an English measurement and a metric measurement, the English measurement shall take precedence.

3. REQUIREMENTS:

3.1 Description: The Bridge Adapter Pallet, referred to as the BAP, is a specialty flatrack that

provides interface between the Ribbon Bridge equipment and the M1977 CBT. The BAP, when loaded on a CBT, provides the platform that enables Ribbon Bridge equipment to be launched and retrieved from the water or ground. Locking devices on the Load Handling System (LHS)
frame secure the BAP during transport. The BAP is also transportable on the Palletized Load System (PLS) M1074 and M1075 vehicles, and can be transloaded, by the CBT, to and from the M1076 Palletized Load System Trailer (PLST).

3.2 FIRST ARTICLE TEST (FAT): The Government will conduct a FAT consisting of a First Production Unit Inspection (FPUI), and a Production Verification Test (PVT) which includes Transportability Testing. All requirements in Section 3 of this Performance Specification (PS), will be tested and verified.

3.3 PERFORMANCE CHARACTERISTICS:

3.3.1 BAP Loading and Unloading. The M1977 CBT, loaded with a BAP, or a BAP with a bridge bay, will:

a) Load the BAP from the ground to the truck.

b) Unload the BAP from the truck to the ground.

. c) Load/Unloading the BAP from /onto uneven ground (slopes of 5 degrees from the trucks lateral and horizontal axis).

3.3.2 Bridge Bay Loading and Unloading. The BAP / CBT combination, shall perform the following with a maximum crew of two soldiers. (During this operation, the BAP winch frame is attached to the LHS hook arm to winch the bridge bay to and from the ground.)

a) Load a bridge bay from the ground onto the M1977 CBT.

b) Unload a bridge bay from the M1977 CBT to ground level.

c) Load/Unload a bridge bay from/onto uneven ground slopes (5 degrees from the trucks lateral and horizontal axis).

3.3.3. Bridge Bay Water Launch and Retrieval. The BAP/CBT combination, shall perform the following with a maximum crew of two soldiers:

3.3.3.1 Free Launch of a bridge bay into the water in no more than (1) minute. The time shall begin when the M1977 CBT has backed into the water to the required depth and the parking

brake is set, and shall end when the bridge bay is floating free. For a free launch, the shore slope shall not be more than 20 percent. With a 10 percent slope, the interior bay requires a water depth of at least 36 inches (91.44 cm), and the ramp bay requires a water depth of at least 44 inches (1.12 m).

3.3.3.2 Controlled Launch of a bridge bay in no more than five (5) minutes. The time shall begin when the M1977 CBT has backed into the water to the required depth and the parking brake is set, and shall end when the bridge bay is floating free. For a controlled launch, the shore slope shall be no more than 10 percent. With a 10 percent slope, the interior bay requires a water depth of at least 42 inches (1.07 m) and the ramp bay requires a water depth of at least 50 inches (1.27 m). During this operation, the BAP winch frame is attached to the LHS hook arm to winch the bay into the water.

3.3.3.3 High Bank Launch of a bridge bay into the water for vertical slopes with a maximum height of 28 feet (8.5 m). Minimum water depth at the launch site shall be 30 inches (76.2 cm). The bridge bay shall be high bank launched in the transport (i.e. folded) condition with all travel latches secured. Bridge bay lifting slings are a part of the ribbon bridge supplementary set. During this operation, the BAP winch frame is attached to the LHS hook arm to crane the bay into the water.

3.3.3.4 Retrieval of an unfolded bridge bay from water in not more than ten (10) minutes. The time shall begin when the bridge bay is hooked to the M1977 CBT and the ribbon bridge erection boat (RBEB) is free from the bridge bay. The time shall end when the bridge bay is secured for transport and exits the launch area. The shore slope shall not exceed 20 percent. During this operation, the BAP winch frame is attached to the LHS hook arm to winch the bay from the water onto the truck.

3.3.4 Transloading the BAP to and from the M1977 CBT and M1076 PLST. The BAP loaded or unloaded, shall be capable of transloading from the CBT, to and from the PLST by use of the LHS. Transloading shall be accomplished with the CBT and M1076 PLST on level ground. The BAP design shall allow the transloading to be performed smoothly at both low and high idle. Any binding, sticking of parts, permanent deformation of any component, cracks in welds or base metal, leaks in the hydraulic system or pneumatic system, or interference with any part of the CBT, BAP, LHS or PLST shall not be allowed.

3.3.4.1 Transload Rollers. The rollers shall be mechanically operated, and allow the BAP, with or without bridge, to be transloading to the PLST without interference. Deployment of the rollers shall be accomplished within three minutes, two minutes is desired. The service life of this mechanical equipment, with maintenance, shall be 10 years.

3.3.5 Ladder. The BAP shall have a ladder integral to the BAP structure, which provides access to the CBT platform from the curbside of the vehicle. The first step of the ladder shall be no higher than 2 feet from the ground when the ladder is lowered for use.

3.3.6 Walkways. The BAP shall have non-skid walkways from the front bay locks to the rear bay locks per A-A-59166.

3.3.7 Storage Box. The BAP shall have a built-in weather resistant storage box large enough to

provide clear visibility and easy access to the required Basic Issue Items. The door shall seal to prevent water entry and, shall have a self- latching closing device, which can also be locked with a padlock (NSN 5340-00-158-3807). In the event of water entry, the box shall be self-draining.

3.4 ENVIRONMENTAL OPERATION. The BAP shall be capable of operation in ambient temperatures ranging from –30 to +120 degrees Fahrenheit. The BAP shall be capable of operation after being stored in ambient temperatures ranging from –50 to +160 degrees Fahrenheit. All components shall allow for ease of operation with bare hands and when wearing Arctic mittens.

3.5 PHYSICAL CHARACTERISTICS:

3.5.1 Dimensions.

a) Length: 21 feet

b) Width: 12 feet

c) Height: 8.5 feet (Loaded BAP onboard the CBT shall be under 4 meters)

(All dimensions, except the 4 meters requirement, are based on the Cargotec design package).

3.5.1.1 Weight. The tare weight of the BAP shall not exceed 5,800 pounds, payload is up to 14,000 pounds.

3.5.2 Structure / Assembly. The BAP is a steel weldment, which consists of two structural frames, a main frame and a winch frame. Other components of the BAP include front (air operated) and rear locks, guides and supports; a center support roller; and two position transload rollers. The main frame shall interface with the load handling system and provide the platform for launching and retrieving the ribbon bridge equipment. The BAP winch hydraulic and pneumatic system shall be connected to and operate from the transporter hydraulic and pneumatic system. The BAP shall be equipped with a hydraulic and pneumatic system that will enable the BAP to restrain, release, launch and retrieve ribbon bridge bays from the ground and from the water.

3.5.2.1 Main Frame. The main frame shall consist of a vertical front frame and a horizontal support frame that form the platform for launching and retrieving bridge bays. The main frame

(mechanically operated) of the frame shall be able to elevate for free launching the bays and shall also be retracted during all other operations. The main frame shall have front and rear locking mechanisms, which secure to the tiedown pins on the bridge bays for transport. The main frame locks that attach the BAP to the transporter frame shall engage at approximately the center of the LHS. The rear support beam of the frame shall have rollers and support guides as necessary.

3.5.2.2 Winch Frame The winch frame shall be capable of attaching to both the LHS hook arm and the BAP main structural frame. A two speed hydraulic winch shall be attached to the winch frame and shall operate using hydraulic power furnished by transporter. The winch frame, when attached to the hook arm, shall move with the hook arm and provide the lifting mechanism that is used to retrieve the bridge bays from the water and the ground. The winch shall be provided with a roller and attachments, which will help keep tension on the spooled wire rope during winching operations.

3.5.2.2.1 Wire Rope. Per SAE J959, the wire rope shall be anti-rotation, 5/8-inch nominal diameter, 19 x 19, swage type, Independent Wire Rope Core (IWRC), nominal breaking strength 22.7 tons (45,000 pounds). Strand and core shall be compacted (pre-stretched) prior to wire rope closing.

3.5.3 Treatment and Painting:

3.5.3.1 Surface Treatment. All surfaces shall be properly cleaned, and pretreated per TT-C-490

3.5.3.2 Primer. Zinc rich primer (85% or higher) shall be used on all surfaces.

3.5.3.3 Topcoat. The BAP shall be CARC painted per MIL-C-53072. Painting is not required on certain surfaces such as plastic, rubber, and metal parts not requiring corrosion protection or where paint interferes with operation.

3.6 HYDRAULIC SYSTEM: The contractor shall install the necessary hydraulic fittings, fixtures, hose assemblies, and quick disconnects needed to provide hydraulic power to the winch. The hydraulic system shall be filled with SAE, OE-10, and adjusted to assure acceptable performance of each hydraulic function. All high-pressure hydraulic hoses and fittings shall have a bursting pressure of 4 times working pressure and proof pressure of at least two times the working pressure. Quick disconnect couplings shall be easily connected and disconnected without oil spillage or leakage. When the hoses that power the winch motor are not connected to the transporter hydraulic system they shall be stowed where they cannot interfere with loading and unloading a loaded or empty BAP.

3.6.1 Hydraulic System Cleanliness. The Hydraulic fluid cleanliness level shall conform to Table I

TABLE I. Contamination limits (particles per milliliter)

Quantity (max) Particle Size
1000 Greater than 10 microns
100 Greater than 20 microns
40 Greater than 30 microns
10 Greater than 40 microns

3.6.2 Hydraulic Winch. The winch shall be capable of operations at low (normal) and high engine idle. The winch shall be capable of lifting the bay from the ground or from the water at both low and high idle speed. The winch shall operate smoothly without any leakage or spillage of hydraulic fluid. The winch drum shall be equipped with a level wind, or tensioning device to promote proper spooling of the wire rope. Service life, with maintenance, shall be 10 years.

3.6.3 Lubricants and Hydraulic Fluid. The BAP shall be serviced with standard military service products of the types and grades as specified on the Lubrication Order (LO). The hydraulic system shall be filled with oil conforming to SAE, OE-10. Winch cable, winch drum, and all cable contact surfaces on sleeves and rollers shall be coated with preservative conformity to MIL-PRF-16173.

3.7 Pneumatic System Performance. The BAP pneumatic system shall be operated from the transporter pneumatic system through a quick disconnect coupling. The pneumatic system, and its components, shall provide the air pressure necessary for the opening the front locks during the free launch of the bridge bays.

3.8 DESIGN and CONSTRUCTION:

3.8.1 PLS Truck Compatibility. The BAP loaded with an interior bay or loaded with ramp bay shall be capable of being loaded, unloaded and transloaded by the PLS (M1074 or M1075) without modification to the PLS.

3.8.2 Material. All material shall be free of cadmium plating, asbestos, and radioactive materials. All rubber products shall be new (not to exceed a 24-month shelf life from the date of BAP acceptance; inside storage is required). All materials shall be free of defects and of a quality consistent with standard commercial practice.

3.8.2.1 Recovered Materials. The BAP structures and components, BAP may be newly fabricated from recovered materials to the maximum extent practicable, provided the BAP produced meets all other requirements of this specification. Used, rebuilt or remanufactured components, pieces and parts shall not be incorporated in the BAP.

(Recovered materials are those materials, which have been collected from solid waste and reprocessed to become a source of raw materials, as distinguished for virgin raw materials).

3.8.2.2 Hazardous Material. The use of hazardous material shall be avoided when a non-hazardous alternative is available which meets the requirements of the specification.

3.8.3 Ozone Resistant Products. All rubber products shall be ozone resistant consistent with best commercial practice.

3.8.4 Dissimilar Metals shall not be used in intimate contact with each other unless protected against galvanic corrosion.

3.8.5 Welding shall conform to the requirements of AWS D1.1, D1.2, and D1.3, or an approved commercial equivalent.

3.8.6 Corrosion Control. The BAP shall be fabricated from compatible materials, inherently corrosion resistant, and treated to provide maximum corrosion resistance protection. Operation will include extended periods in corrosive environments involving high humidity, salt spray, road deicing chemicals, and other atmospheric contamination. No action beyond normal washing and replacement of damaged paint shall be necessary to maintain corrosion control.

3.8.7 Commonality / Interchangeability. All parts, components and assemblies having the same identification number shall be functionally and dimensionally interchangeable.

3.9 TRANSPORTABILITY: The BAP shall be capable of being transported by military or commercial trailers, rail, marine vessels, and aircraft. The BAP must be capable of withstanding the impact forces encountered in shipment without damage or permanent deformation. The BAP shall be equipped with lifting and tie-down provisions. The BAP shall have removable components that enable the width to be reduced for unrestricted rail shipment. Removable components shall be capable of being attached to the BAP during rail shipment and must withstand the forces of rail impact during rail shipment

3.9.1 Rail Impact. The BAP, unloaded and loaded with Ribbon Bridge equipment, shall be capable of withstanding rail impact testing as outlined in TP-94-01.

3.9.2 Cargo Aircraft. The BAP, with Ribbon Bridge equipment, and loaded on the CBT, shall be transportable by C5 aircraft. (ref: MIL-HDBK-1791)

3.9.3 External Helicopter Lift. The BAP, with Ribbon Bridge equipment, shall be capable of transport by the CH-47 Helicopter. (ref: MIL- STD-913)

3.9.4 Lifting and Tie-down Provisions. The BAP shall have lifting and tie-down provisions that conform to MIL-STD-209. Lifting and tie-down provisions shall be of the welded type; shackles shall not be used. The BAP shall have no more than four lifting provisions (minimum Class 5) and

four tie-down provisions, two of each for both the fore and aft direction. Provisions shall comply with the pull tests specified without weld failure, permanent deformation, cracking, loosening or breaking of the provision or connecting structural parts. Stencil markings shall be applied to the vehicle at each lift and tie-down point per MIL-STD-209.

3.9.5 Transportation Data and Transportation Data Plates:

3.9.5.1 Transportation data. The contractor shall record the weight, dimensions, and the center of gravity of the BAP, empty and with appropriate loads, on the transportation data plate. Appropriate loads are defined as interior, and ramp bay bridges.

3.9.5.2 Transportation Data Plates. A transportation data plate shall be provided which shows a tiedown diagram of the BAP in transport position, and indicating the center of gravity and the location and capacity of the slinging and tie-down provisions.

3.10 RELIABILITY / AVAILABILITY / MAINTAINABILITY / DURABILITY (RAM-D):

3.10.1 Reliability. The BAP shall not degrade the reliability of the M1977 CBT, which shall meet or exceed acceptance criteria based on a test value of 81 Mean Missions Between Failures (MMBF). A mission consists of 20 miles of transporting distance and one launch/retrieve cycle. The reliability shall meet or exceed 81 missions between failures.

3.10.2 Maintenance Ratio. The BAP shall not degrade the maintenance ratio of the M1977 CBT, which shall have a maintenance ratio not more than 0.145 Maintenance Man-hours per Mission (MMH/M). Maintenance Ratio (MR) is defined as the ratio of the total active maintenance man-hours required (scheduled and unscheduled) to the total number of missions. Man-hours for repair of replaced components and scheduled before and after operation checks are excluded. A maintenance schedule shall be established prior to the start of any test. The maintenance ratio shall not exceed 0.145 maintenance man- hours per launch cycle.

3.10.3 Durability. The BAP with M1977 CBT shall be capable of achieving 1380 launch retrieve cycles without a durability failure.

3.11 MANPRINT:

3.11.1 Safety. No sharp corners/edges, projection points or burrs are allowed.

3.11.2 Human Factor Engineering (HFE): The contractor's HFE efforts shall ensure that HFE is an integral part of the BAP design, and shall comply with established practices described in MIL-STD-1472. The BAP shall be operable and maintainable by the full range of military personnel

(5th percentile female through 95th percentile male) wearing the full range of military clothing, including Arctic and NBC MOOP-4 gear. All hand-holds and steps necessary to gain access to various locations on the BAP shall be integral to the unit.

3.12 IDENTIFICATION and MARKINGS:

3.12.1 Marking. Letters and numbers shall be lusterless black CARC, except for markings over a black background, which shall be 383 Green. Stenciled information shall not be smaller than 1 inch in size.

3.12.2 Data Plates. All data plates shall be new metal (stainless steel or anodized aluminum) and attached by riveting. Common letter shall be black photoengraved on a matte metal background; unique lettering (serial numbers and date of mfg.) may be stamped. Additional warning or precautionary data plates shall be provided, where necessary, to protect personnel or equipment.

3.13 BASIC ISSUE ITEMS (BII): The following list of BII shall be furnished:

Part No.	Description (QTY)
1307-001	BOAT HOOK (1)
1307-004	CROWBAR (1)
13218E4360	LATCH PIN ASSEMBLY (1)
1304-003	ROPE, FIBROUS: 3/4 IN. DIA. 100 FT (1)
13218E4347	WRENCH: BAY DRIVE PIN (1)
A4810490	ROPE LANYARD, ASSY (1)

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for Inspection. Unless otherwise specified in the contract, the Contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or this specification, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any inspections set forth in this specification where such inspections are deemed necessary to assure supplies and service conform to prescribed requirements.

4.1.1. Responsibility for Compliance. Production items must meet all requirements of Section 3 and 5. The inspections set forth in this specification shall become part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of assuming that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in Quality Conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective

material.

4.1.2 Certifications. Certification(s) of those items identified in Table II, shall be documented in accordance with contract requirements or instructions. Certifications do not relieve the contractor of 4.1.1 ("Responsibility for Compliance") requirements.

4.2 CLASSIFICATION OF INSPECTIONS. The inspection requirements specified herein are classified as follows (ref Table II):

a. First Production Unit Inspection (FPUI) (4.3).

b. Production Verification Test (PVT) (4.4).

c. Quality Conformance Inspection (QCI) (4.5).

d. Control Tests (CT) (4.6).

TABLE II

CLASSIFICATION OF EXAMINATIONS AND TESTS

The examinations/tests referenced in this table may be modified at the discretion of the Government by the deletion or addition of inspections to assure adherence to specifications/contractual requirements.

INSPECTION / TEST	TEST LOCATION
First Production Unit Inspection (FPUI)	Place of Manufacture
Production Verification Test (PVT)	Government Proving Ground
Quality Conformance Inspection (QCI)	Place of Manufacture
Control Test (CT)	Place of Manufacture

TITLE	RQMTS	FPUI	PVT	QCI	CT
Performance Characteristics	3.3				

BAP Loading & Unloading	3.3.1	X	X	X	X
Bridge Bay Loading & Unloading	3.3.2	X	X	X	X
Bridge Bay Water Launch & Retrieval	3.3.3		X		
Transloading	3.3.4	X	X	X	X
Ladder	3.3.5	X	X	X	X
Walkways	3.3.6	X	X	X	X
Stowage Box	3.3.7	X	X	X	
Environmental Operation	3.4 **	X			

TITLE	RQMTS	FPUI	PVT	QCI	CT
Physical Characteristics	3.5				
Dimensions	3.5.1	X		X	X
Weight	3,5,1,1	X			
Structure/Assembly	3.5.2	X	X	X	X
Main Frame	3.5.2.1	X	X	X	X
Winch Frame	3.5.2.2	X	X	X	X
Wire Rope	3.5.2.2.1 *	X		X	
Treatment and Paint	3.5.3				
Surface Treatment	3.5.3.1**	X	X	X	X
Primer	3.5.3.2**	X	X	X	X
Top Coat	3.5.3.3**	X	X	X	X
Hydraulic System.	3.6**	X	X	X	X
Hydraulic Syst. Cleanliness	3.6.1*	X			X
Hydraulic Winch.	3.6.2	X	X	X	X
Lubricants and Hydraulic Fluids	3.6.3 *	X			X
Pneumatic System Performance	3.7	X	X	X	X
Design and Construction	3.8				
PLS Truck Compatibility	3.8.1	X	X		X
Material	3.8.2*	X			
Recovered Materials	3.8.2.1*	X			
Hazardous Materials	3.8.2.2*	X			
Ozone Resistant Product	3.8.3 *	X			
Dissimilar Metals	3.8.4*	X			
Welding	3.8.5**	X	X	X	X
Corrosion Control	3.8.6*	X			
Commonality/Interchange	3.8.7*				

Transportability	3.9				
Rail Impact	3.9.1		X		
Cargo Aircraft	3.9.2 *	X			
External Helo. Lift	3.9.3*	X			
Lifting & Tie-down Provisions	3.9.4 **	X	X	X	X
Transportation Data/Plates	3.9.5				
Transportation Data	3.9.5.1	X	X	X	X
Transportation Data Plates	3.9.5.2	X		X	
RAM-D	3.10				
Reliability	3.10.1		X		
Maintenance Ratio	3.10.2		X		
Durability	3.10.3		X		

TITLE	RQMTS	FPUI	PVT	QCI	CT
Manprint	3.11				
Safety	3.11.1	X	X	X	X
Human Factor Eng.	3.11.2	X	X		
Identification & Marking	3.12				
Marking	3.12.1	X	X	X	X
Data Plates	3.12.2	X		X	X
Basic Issue Items	3.13	X		X	X

(Item(s) identified with " * " denotes certification of conformance is required.)
(Item(s) identified with " ** " denotes both certification and inspection/test required.)

4.3 First Production Unit Inspection.

4.3.1 In-Process Inspection. During fabrication of the first 5 (five) initial production BAPs, in-process inspections conducted by the contractor will be witnessed by Government representatives to evaluate conformance of materials and workmanship to the requirements referenced in Table II.

These inspections shall be made prior to application of primer and paint. Processing and welding procedures, quality system, inspection records, calibration procedures, and welder certifications will be reviewed and evaluated during the in-process inspections.

4.3.2. Contractor Inspection. The first 5 (five) BAPs shall be inspected, by the Contractor, at the place of manufacture. The inspection shall include as a minimum the inspections referenced in Table II. Upon completion of inspection, the contractor shall submit the BAPs to Government personnel for inspection at the contractor's facility. The Government at its option may elect to witness and participate in the contractor inspections.

4.3.2.1 Repair of Defects. Defects found as a result of above inspections shall be promptly corrected by the Contractor at no additional cost to the Government.

4.3.2.2 BAP Disposition. After completion of the inspection, the BAP used for FPUI shall remain at the manufacturing facility, as a manufacturing standard, and be the last BAP shipped on the contract. This BAP may be released sooner at the discretion of the PCO. The Contractor shall service and maintain the BAP during this period in accordance with the applicable documents for care and preservation while in storage. All configuration changes made after FPUI shall be applied to the manufacturing standard so this BAP will be representative of the current configuration throughout the life of the contract. No configuration changes may be implemented on production BAP(s) after FPUI approval without written authorization from the PCO.

4.4 Production Verification Test (PVT). To determine conformance to Section 3 and 5 (inclusive), and after completion of FPUI (4.3), the Government will randomly select 2 of the remaining 4 production BAP(s) for PVT at a Government test site per the requirements specified in Table II. Unless otherwise specified by the PCO, the Contractor shall refurbish each test unit to a like new condition, which reflects the approved final configuration after test completion.

4.4.1 BAP Acceptance. Government acceptance of the first 5 (five) BAPs shall be withheld until the PVT has been completed and all units have been updated/refurbished to a like new condition which reflects the final configuration after test completion. Conformance to contractual/specification requirements includes, but not limited to, workmanship and materials.

4.5 Quality Conformance Inspection (QCI).

4.5.1 Final Inspection. Each production BAP shall be subjected to a complete final inspection by the Contractor as referenced in Table II. The Government, at its option, may participate in the final inspection. The QCI shall be conducted utilizing a Contractor prepared and Government approved Final Inspection Record (FIR).

4.5.2 Examination or Test Failure. If a BAP fails to pass any inspection or tests specified in Table II, the Government shall withhold acceptance until evidence has been provided by the Contractor that corrective action has been taken to correct such deficiencies and preclude the recurrence of the deficiencies.

4.6 Control Tests. Control tests for maintaining control of manufacturing processes shall be conducted by the manufacturer as specified below.

4.6.1 Frequency. The Government shall select at random, one out of 20 BAPs submitted for Government acceptance inspection, or one BAP per month for control test. However, the frequency of control tests shall not be more than two BAPs or less than one BAP in any 30

calendar day period.

4.6.2 Test Scope. The BAP shall be inspected/tested in accordance with Table II. The Government, at its option, may elect to participate in the inspections.

4.6.3 Test Deficiency. All deficiencies detected either by the Contractor or the Government on control test BAPs shall be presumed to be present in all BAPs produced since the last acceptable control test. The Government shall withhold acceptance of any additional BAPs until evidence has been provided by the Contractor that corrective action has been taken to repair deficiencies in previously produced BAPs and to prevent recurrence of such deficiencies.

5. Presevation/Packaging

5.1 The Bridge Adapter Pallet shall be preserved, packaged, and packed in accordance with the

approved Equipment Preservation Data Sheet (EPDS). Copies of the approved EPDS can be obtained from TACOM, AMSTA-TR-E-HTV, or by calling (810) 574-8317.

5.2 Marking. Each BAP shall be marked for delivery in accordance with ASTM D3951 for shipment to the Department of Defense.

Attachment 4

CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACT
	DAAE07-99-R-S003	

1. DATA ITEM NO. L001

2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
Provisioning Parts List (PPL)		18. ESTIMATED TOTAL PRICE

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-ALSS-81529/30	Section C -SOW	AMSTA-IM-HHP

7. DD 250 REQ	8. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
Ltr		AS REQ	SEE BLK 16
9. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
			SEE BLK 16

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AMSTA-IM-HHP		1	
email: baucomp@			
tacom.army.mil			
15. TOTAL →		1	

16. REMARKS
Present at provisioning conference and deliver with post provisioning corrections based on the ILS schedule, attachment A. Delete all reference to MIL STD 1388-2B. Use commercially available LSAR software (-2A as guidance). Electronic delivery required.

1. DATA ITEM NO. L002

2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
Supplementary Provisioning Technical Documentation		18. ESTIMATED TOTAL PRICE

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-ALSS-81529/30	Section C - SOW	AMSTA-IM-HHP

7. DD 250 REQ	8. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
Ltr		ASREQ	SEE BLK 16
9. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
			SEE BLK 16

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AMSTA-IM-HHP		1	
email: baucomp@			
tacom.army.mil			
15. TOTAL →		1	

16. REMARKS
Present at Provisioning Conference and deliver concurrently with PPL. Deliver based on the ILS schedule, attachment A. Electronic delivery required.

1. DATA ITEM NO. L003

2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
BAP Manual Change Package		18. ESTIMATED TOTAL PRICE

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
Section C	Section C - SOW	AMSTA-IM-HHP

7. DD 250 REQ	8. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
DD		AS REQ	SEE BLK 16
9. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
			SEE BLK 16

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AMSTA-IM-HHP		1	
email: baucomp@			
tacom.army.mil			
15. TOTAL →		1	

16. REMARKS
Deliver a Technical Manual change package to the existing BAP Technical Manual consistant in content and format to the existing BAP TM. Deliver based on the ILS schedule, attachment A. Electronic delivery required.

1. DATA ITEM NO. L004

2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
Failure Analysis and Corrective Action Report (FACAR)		18. ESTIMATED TOTAL PRICE

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-RELI-81315	C.1.6	AMSTA-TR-E-/HTV

7. DD 250 REQ	8. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LTR		AS REQ	AS REQ
9. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
			AS REQ

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
AMSTA-TR-E/H	1	1	
15. TOTAL →	1	1	

16. REMARKS
Utilize for response to PQRDs and Test Incident Reports (TIR's) submit IAW 10.3 and 10.4 only. Data Items shall be delivered electronically to marceaum@tacom.army.mil

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
Bridge Adapter Pallet (BAP)	DAAE07-99-R-S003	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
L005	Contractor's Configuration Management Plan	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80858A (TAILORED)	C.2.2	AMSTA-TR-E/HTV/312

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUB.
LT		OTIME	30DAC
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBS. SUB.**
A	N/A	15	N/A

16. REMARKS

Contractor format is acceptable. MIL-STD-973 may be used for guidance.

TAILORING: Delete reference to MIL-STD-973 in paragraph 10.2 of Data Item Description.

To be delivered electronically per contract requirements-send to:
hunterd@tacom.army.mil

14. DISTRIBUTION	b. COPIES		
a. ADDRESSEE	Draft	Final	
		Reg	Repro
See Block 16		1	
15. TOTAL ——>		1	

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
L006		TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
Bridge Adapter Pallet (BAP)	DAAE07-99-R-S003	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
L006	Engineering Change Proposal	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI -CMAN-80639B (TAILORED)	C.2.3.3	AMSTA-TR-E/HTV/312

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUB.
LT	TBD	ASREQ	ASREQ
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBS. SUB.**
A		N/A	ASREQ

16. REMARKS

ASREQ means when ever an Engineering Change Proposal is needed.
MIL-STD-973 may be used for guidance.

TAILORING: Delete reference to MIL-STD-973 in paragraph 10.2 of Data Item Description.

To be delivered electronically per contract requirements-send to:

smithrog@tacom.army.mil
rehmma@ " " "
balakieg@" " "
davisla@ " " "
marceaum@" " "
edwardsr@" " "
hunterd@ " " "
ellisg @ " " "

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES		
	Draft	Final	
		Reg	Repro
See Block 16		8	
15. TOTAL ——>		8	

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ____ TM ____ OTHER ____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
Bridge Adapter Pallet (BAP)	DAAE07-99-R-S003	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
L007	Request for Deviation		

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-CMAN-80640B (TAILORED)	C.2.3.9.1	AMSTA-TR-E/HTV/312	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUB.
LT	TBD	ASREQ	ASREQ
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBS. SUB.**
A		N/A	ASREQ

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
See Block 16		8	
15. TOTAL ——>		8	

16. REMARKS

ASREQ means when ever a deviation is needed.
MIL-STD-973 may be used for guidance.

TAILORING: Delete reference to MIL-STD-973 in paragraph 10.2 of Data Item Description.

To be delivered electronically per contract requirements-send to:

smithrog@tacom.army.mil
rehmma@ " " "
balakieg@ " " "
davisla@ " " "
marceaum@ " " "
edwardsr@ " " "
hunterd@ " " "
ellisg@ " " "

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

CONTRACT DATA REQUIREMENTS LIST
(1 Data Item)

Form Approved
OMB No. 0704-0188

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP ___ TM ___ OTHER ___

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
Bridge Adapter Pallet (BAP)	DAAE07-99-R-S003	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE
L008	Request for Waiver	

4. AUTHORITY *(Data Acquisition Document No.)*	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-CMAN-80641B (TAILORED)	C.2.3.9.1	AMSTA-TR-E/HTV/312

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUB.
LT		ASREQ	ASREQ
8. APP CODE		**11. AS OF DATE**	**13. DATE OF SUBS. SUB.**
A	TBD	N/A	ASREQ

17. PRICE GROUP

18. ESTIMATED TOTAL PRICE

14. DISTRIBUTION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
See Block 16		8	
15. TOTAL ——>		8	

16. REMARKS

ASREQ means when ever a waiver is needed.
MIL-STD-973 may be used for guidance.

TAILORING: Delete reference to MIL-STD-973 in paragraph 10.2 of Data Item Description.

To be delivered electronically per contract requirements-send to:

smithrog@tacom.army.mil
rehmma@ " " "
balakieg@ " " "
davisla@ " " "
marceau@ " " "
edwardsr@ " " "
hunterd@ " " "
ellisg@ " " "

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE

CONTRACT DATA REQUIREMENTS LIST

Public reporting burden for this collection of information is estimated to average 440 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addressess. Send completed form to the Government Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXH/ATCH NO.	C. CATEGORY: TDP _____ TM _____ OTHER _____

D. SYSTEM/ITEM	E. CONTRACT/PR NO.	F. CONTRACTOR
Bridge Adapter Pallet	DAAE07-99-R-S003	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
L009	Final Inspection Record		18. ESTIMATED TOTAL PRICE

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-QCIC-81068	C.1.8	AMSTA-TR-E/HTV

7. DD 250 REQ LTR	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION			
		AS REQ	See Block 16	a. ADDRESSEE	b. COPIES		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION		Draft	Final Reg	Final Repro
		N/A	AS REQ				
				AMSTA-TR-E/HTV	1	1	
				15. TOTAL →→			

16. REMARKS
CONTRACTOR FORMAT, INITIAL DRAFT DUE 90 DAC FOR REVIEW AND APPROVAL
GOV'T REVIEW/COMMENT DUE 120 DAC
DATA ITEM SHALL BE DELIVERED ELECTRONICALLY
TO THE FOLLOWING EMAIL ADDRESS: MARCEAUM@TACOM.ARMY.MIL

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
L010	QUALITY DEFICIENCY REPORT (GFM)		18. ESTIMATED TOTAL PRICE

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE
DI-QCIC-80736	C.1.7	AMSTA-TR-E/HTV

7. DD 250 REQ LTR	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION			
		AS REQ	AS REQ	a. ADDRESSEE	b. COPIES		
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION		Draft	Final Reg	Final Repro
		N/A	AS REQ				
				AMSTA-TR-E/HTV		1	
				15. TOTAL →→			

16. REMARKS

SUBMITT QDR AS REQ
DATA ITEM SHALL BE DELIVERED ELECTRONICALLY
TO THE FOLLOWING EMAIL ADDRESS: MARCEAUM@TACOM.ARMY.MIL

INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12-M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

Item A. Self-explanatory.

Item B. Self-explanatory.

Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as "Provisioning,""Configuration Management," etc.

Item D. Enter name of system/item being acquired that data will support.

Item E. Self-explanatory (to be filled in after contract award).

Item F. Self-explanatory (to be filled in after contract award).

Item G. Signature of preparer of CDRL.

Item H. Date CDRL was prepared.

Item I. Signature of CDRL approval authority.

Item J. Date CDRL was approved.

Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.

Item 2. Enter title as it appears on data acquisition document cited in Item 4.

Item 3. Enter subtitle of data item for further definition of data item (optional entry).

Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.

Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number).

Item 6. Enter technical office responsible for ensuring adequacy of the data item.

Item 7. Specify requirement for inspection/acceptance of the data item by the Government.

Item 8. Specify requirement for approval of a draft before preparation of the final data item.

Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref. DoDD 5230.24).

Item 10. Specify number of times data items are to be delivered.

Item 11. Specify as-of date of data item, when applicable.

Item 12. Specify when first submittal is required.

Item 13. Specify when subsequent submittals are required, when applicable.

Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.

Item 15. Enter total number of draft/final copies to be delivered.

Item 16. Use for additional/clarifying information for Items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14.; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing, and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b . Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use the data shall be governed by the pertinent provisions of the contract.

ATTACHMENT 005

TEST SUMMARY CYCLES AND MILES

LOAD HANDLING SYSTEM CYCLES

CYCLES		REF. PARAGRAPH
15	fully loaded flatrack at Maint Point prior to Highway	CBT (TBD)
15	fully loaded flatrack at Maint Point after Test	CBT (TBD)
10	loaded with BAP and interior bay at Test Site	CBT & BAP 3.3.1
2	transload cycles with a BAP at Test Site	BAP 3.3.4
2	transload cycles with a BAP at after Test at Maint. Point	BAP 3.3.4
44	**SUB TOTAL - LHS CYCLES**	

BAP CYCLES

CYCLES	To/from ground W/CBT, loaded w/interior bay, all at Test Site	
5	using remote	CBT (TBD)
3	as desired	CBT & BAP 3.3
8	**SUB TOTAL BAP CYCLES**	

WATER LAUNCHES/RETRIEVALS

EQUIVALENT CYCLES	Test Site (High Bank Test Site TBD)	
3.0	1 free launch to water, 1/2 cycle equivalent	CBT & BAP 3.3.3.1
3,0	1 retrieval of an unfolded bay, 1/2 cycle equivalent	CBT & BAP 3.3.3.1
6.5	13 controlled launches to water, 1/2 cycle equivalent	CBT & BAP 3.3.3.2
6.5	13 retrievals of an unfolded bay, '/2 cycle equivalent	CBT & BAP 3.3.3.2
1.0	1 High bank launch/retrieval or simulation, I cycle equivalent	CBT & BAP 3.3.3.3
20.0	**SUB TOTAL WATER LAUNCH/RETRIEVAL CYCLES**	

72 GRAND TOTAL CYCLES. LHS+BAP+WATER LAUNCH/RETRIEVAL

DURABILITY MILES

MILES	ON HIGHWAY	
200	BAP with interior bay	CBT(TBD)
	ON DIRT TRAILS	
37.5	unloaded BAP	CBT (TBD)
112.5	BAP with interior bay	CBT
(TBD)		
150.0	**SUB TOTAL ON DIRT**	
	ON SECONDARY GRAVEL ROADS	
37.5	unloaded BAP	CBT (TBD)
112.5	BAP with interior bay	CBT (TBD)
150.0	**SUB TOTAL ON GRAVEL**	
500	**TOTAL MILES DURABILITY TEST**	

(**NOTE:** BAP CYCLES TO BE DISPURSED AT VARIOUS POINTS THROUGHOUT THE DURABILITY MILEAGE SCHEDULE AND DETERMINED BY THE TEST DIRECTOR UNLESS OTHERWISE NOTED.)

Rating Scheme for Past Performance Area

Adjectival	Definition and Criteria
Excellent/Very Low Risk	Essentially no doubt exists that the offeror will successfully perform the required effort and meet program objectives based on their past performance.
Good/Low Risk	Little doubt exists that the offeror will successfully perform the required effort and meet program objectives based on their past performance.
Adequate/Moderate Risk	Some doubt exists that the offeror will successfully perform the required effort and meet program objectives based on their past performance.
Inadequate/Very High Risk	Extremely doubtful that the offeror will successfully perform the required effort and meet program objectives based on their past performance.
Neutral/Unknown Risk	Lack of a meaningful relevant record of past performance.

SMALL BUSINESS PARTICIPATION
ADJECTIVAL SCALE

The element of Small Business Participation will be evaluated in accordance with the following. Apply the adjectival rating for the definition *that most closely meets* the evaluation conclusion.

ADJECTIVAL	DEFINITION AND CRITERIA
Excellent	Proposal includes a substantial portion of the work, in terms of dollar value (more than 20%) and/or complexity, to be performed in the Small Business (SB), Small Disadvantaged Business (SDB), Women-Owned Small Business (WOSB), and Historically Black Colleges and University/ Minority Institution (HBCU/MI) sector by the prime (if so qualified) and/or as subcontractors or team members. Offeror has substantive evidence suggesting prior achievement of subcontracting plans or policy goals. Based on the proposal and past performance history, the offeror's proposed goals and/or actions are substantial and are considered very realistic (very low risk).
Good	Proposal includes a significant portion of the work in terms of dollar value (more than 15%) and/or complexity, to be performed in the Small Business (SB), Small Disadvantaged Business (SDB), Women-Owned Small Business (WOSB), and Historically Black Colleges and University/ Minority Institution (HBCU/MI) sector by the prime (if so qualified) and/or as subcontractors or team members. Offeror has evidence suggesting prior achievement of most subcontracting plan or policy goals. Based on the offeror's proposal and past performance history, the offeror's proposed goals and/or actions are significant and are considered realistic (low risk).
Adequate	Proposal includes a reasonable portion of the work in terms of dollar value (more than 10%) and/or complexity to be performed in the Small Business (SB), Small Disadvantaged Business (SDB), Women-Owned Small Business (WOSB), and Historically Black Colleges and University/ Minority Institution (HBCU/MI) sector by the prime (if so qualified) and/or as subcontractors or team members. Offeror has evidence suggesting prior achievement of some subcontracting plan or policy goals. Based on the offeror's proposal and past performance history, the offeror's proposed goals and/or actions are adequate and could be met if the offeror focuses attention on them (moderate risk).
Marginal	Proposal includes a minimal portion of the work in terms of dollar value (less than 10%) and/or complexity to be performed in the Small Business (SB), Small Disadvantaged Business (SDB), Women-Owned Small Business (WOSB), and Historically Black Colleges and University/ Minority Institution (HBCU/MI) sector by the prime (if so qualified) and/or as subcontractors or team members. Based on the offeror's proposal and/or past performance history, there is little likelihood that more than a minimal portion of the work will be performed in this sector. (High risk)
Poor	Offeror demonstrates little or no commitment to using SBs, SDBs, WOSBs and HBCU/MIs. There is no evidence that the offeror met his prior goals and/or shows no serious commitment and did not provide adequate justification for not doing so. Based on the proposal and/or past performance history, there is negligible likelihood that anything other than a token portion of the work will be performed in this sector. (Very high risk)